

Thermo Fisher Scientific Launches Smaller, More Efficient Twin-Screw Extruder

Thermo Scientific Process 11 Has Reduced Footprint, Uses Small Quantities of Sample Material and Saves Cost, Time and Labor in Polymer and Food Industry Research

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FRANKFURT –ACHEMA 2012– (June 18, 2012) – Thermo Fisher Scientific Inc., the world leader in serving science, is featuring its new Thermo Scientific Process 11 parallel co-rotating twin-screw extruder for polymer and food industry research applications at ACHEMA 2012. The 11 mm extruder is designed to minimize material costs, be easier to use and optimize laboratory space. To achieve this, the benchtop Process 11 extruder uses a minimal amount of sample material (20 g) and features a user-friendly touchscreen with integrated feeder control. The Process 11 extruder is being showcased within Thermo Scientific booth B7, hall 4.2 during ACHEMA 2012, being held from June 18-22 in Frankfurt.

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“To our customers, laboratory space is at a premium and cost control is critical, so we’ve designed the Process 11 extruder to address both issues,” said Karl Gerhard Hoppmann, vice president and general manager of Thermo Fisher’s material characterization business. “Our compact, standalone design is perfect for small-scale experiments yet robust enough to deliver results that are relevant to production conditions. The results are easily obtained due to the full scalability of the Thermo Scientific standalone compounding systems.”

The new Process 11 features a throughput of 20 g/h to 2.5 kg/h and a segmented screw design with removable top half barrel. The machine’s compact monocoque design makes its footprint four to five times smaller than competing twin-screw extruders, and it enables easy transport and fume hood applications. The screw elements and barrel design scale geometrically across the whole suite of Thermo Scientific extruders and allow easy process scale-up. The instrument is available immediately.

Thermo Fisher, one of the pioneers in rheology, successfully supports a wide range of industries with its comprehensive Thermo Scientific material characterization solutions. Material characterization solutions analyze and measure viscosity, elasticity, processability and temperature-related mechanical changes of plastics, food, cosmetics, pharmaceuticals and coatings, chemical or petrochemical products, plus a wide variety of liquids or solids. For more information, please visit www.thermoscientific.com/mc.

For more information about the new Thermo Scientific Process 11 parallel co-rotating twin-screw extruder, please visit Thermo Scientific booth B7 in Hall 4.2 at ACHEMA 2012. Alternatively, please call +1 866-463-6522, email analyze@thermofisher.com or visit www.thermoscientific.com/mc.

For access to all Thermo Fisher news and product photos related to ACHEMA 2012, please visit the online media room at <http://news.thermofisher.com>.

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